

CLW  
9/23/02

**BARNES & THORNBURG**



B W/KTB  
10/11/02  
Hart

11 South Meridian Street  
Indianapolis, Indiana 46204  
(317) 236-1313  
(317) 231-7433 Fax

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group: 3729

Confirmation No.: 5169

Application No.: 09/884,231

Invention: LOUDSPEAKER SPIDER,  
METHOD OF MAKING IT AND  
LOUDSPEAKER  
INCORPORATING IT

Applicant: Auerbach et al.

Filed: June 19, 2001

Attorney

Docket: 1039-68477

Examiner: Dexter Tugbang

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231

on September 27, 2002

(Signature)  
Kim Tyree

(Printed Name)

RESPONSE

BOX

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the May 21, 2002 official action, please amend the title as follows:

Please delete "LOUDSPEAKER SPIDER, METHOD OF MAKING IT AND LOUDSPEAKER INCORPORATING IT" and insert in its place --METHOD OF MAKING A LOUDSPEAKER--

10/03/2002 EHAILE1 00000014 09884231

01 FC:115

110.00 OP

RECEIVED

OCT - 3 2002

TECHNOLOGY CENTER R3700

At page 1 of the specification, before the first paragraph, please insert the following paragraph:

--This is a division of U. S. S. N. 08/755,578 filed November 13, 1996, now U. S. Patent 6,269,167. U. S. S. N. 08/755,578 is itself a continuation of U. S. S. N. 08/219,117, now abandoned.--

Please amend the claims as follows:

1. (Amended) A method of making a woven spider comprising selecting a thread of [the] a cloth from which the spider is to be woven, wrapping the selected thread with an electrical conductor and weaving the wrapped thread at [the] a selected location in the cloth.

2. (Amended) [The method of claim 1 further comprising the steps of] A method of making a moving coil transducer comprising wrapping a thread with an electrical conductor and weaving the wrapped thread at a selected location in a cloth, after weaving the wrapped thread at the selected location in the cloth, forming the cloth into a spider, incorporating the spider into [a] the moving coil transducer and making electrical contact to the moving coil of the moving coil transducer through the electrical conductor wrapped around the thread.

3. (Amended) The method of claim 2 wherein [the step of] weaving the wrapped thread at the selected location in the cloth comprises [the step of] weaving the wrapped thread at the selected location with a float, and [the step of] forming the cloth into a spider comprises [the step of] forming a region of the cloth adjacent the float as a perimeter of the spider.

4. (Twice amended) The method of claim 3 wherein [the step of] wrapping the selected thread with [an] the electrical conductor comprises wrapping multiple threads with multiple electrical conductors and [the step of] weaving the wrapped thread at the selected location comprises weaving the multiple wrapped threads at a single shed or course in the cloth.

5. (Amended) The method of claim 4 and further comprising, after wrapping multiple threads with electrical conductors and before weaving the multiple wrapped threads at a single shed or course in the cloth, [the step of] twisting the multiple wrapped threads together.

6. (Twice amended) The method of claim 3 and further comprising, after wrapping the selected thread with an electrical conductor and before weaving the wrapped thread at the selected location in the cloth, [the step of] treating the wrapped thread with a first substance to render the wrapped thread relatively impervious to a second substance, and then,

after weaving the wrapped thread at the selected location in the cloth, [the step of] treating the cloth with the second substance.

7. (Amended) The method of claim 6 wherein [the step of] treating the wrapped thread with a first substance comprises [the step of] treating the wrapped thread with a wax.

8. (Amended) The method of claim 7 wherein treating the cloth with the second substance comprises [the step of] treating the cloth with a phenolic resin.

9. (Amended) The method of claim 6 wherein treating the cloth with the second substance comprises [the step of] treating the cloth with a phenolic resin.

10. (Amended) The method of claim 4 and further comprising, after wrapping the multiple threads with multiple electrical conductors and before weaving the wrapped threads at the selected location in the cloth, [the step of] treating the wrapped threads with a first substance to render the wrapped threads relatively impervious to a second substance, and then, after weaving the wrapped threads at the selected location in the cloth, [the step of] treating the cloth with the second substance.

11. (Amended) The method of claim 10 wherein [the step of] treating the wrapped threads with a first substance comprises [the step of] treating the wrapped threads with a wax.

12. (Amended) The method of claim 11 wherein treating the cloth with the second substance comprises [the step of] treating the cloth with a phenolic resin.

13. (Amended) The method of claim 10 wherein treating the cloth with the second substance comprises [the step of] treating the cloth with a phenolic resin.

14. (Amended) The method of claim 5 and further comprising, after wrapping the multiple threads with electrical conductors and before weaving the wrapped threads at the selected location in the cloth, [the step of] treating the wrapped threads with a first substance to render the wrapped threads relatively impervious to a second substance, and then, after weaving the wrapped threads at the selected location in the cloth, [the step of] treating the cloth with the second substance.

15. (Amended) The method of claim 14 wherein [the step of] treating the wrapped threads with a first substance comprises [the step of] treating the wrapped threads with a wax.